

REQUEST

For Living Office use only	_
International Application No.	
International Filing Date	
Name of receiving Office and "PCT International Application"	

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.	Name of receiving Office and "PCT International Application"			
	Applicant's or agent's file reference (if desired) (12 characters maximum) 7024477P117			
Box No. I TITLE OF INVENTION METHOD AND APP	PARATUS FOR SIMULTANEOUS COLLECTION OF			
TIME RESOLVED INFRARED SPECTRAL INFORMATION FROM MULTIPLE SAMPLES				
Box No. II APPLICANT				
Name and address: (Family name followed by given name; for a designation. The address must include postal code and name of coaddress indicated in this Box is the applicant's State (that is, country of residence is indicated below.)				
PURDUE RESEARCH FOUNDATION	Telephone No.			
Office of Technology Transfer 1063 Hovde Hall	Facsimile No.			
West Lafayette, Indiana 47907 US	The single No.			
	Teleprinter No.			
State (that is, country) of nationality: US	State (that is, country) of residence: US			
This person is applicant all designated for the purposes of:	ed States except the United States the States indicated in States of America only the Supplemental Box			
Box No. III FURTHER APPLICANT(S) AND/OR (FURT	HER) INVENTOR(S)			
Name and address: (Family name followed by given name; for a designation. The address must include postal code and name of co address indicated in this Box is the applicant's State (that is, country of residence is indicated below.) LAUTERBACH, Jochen A. 4308 Cathedral Court West Lafayette, Indiana 47906 US	applicant only X applicant and inventor inventor only (If this check-box is marked, do not fill in below.)			
State (that is, country) of nationality: DE State (that is, country) of residence: US				
	ed States except States of America X the United States the States indicated in the Supplemental Box			
X Further applicants and/or (further) inventors are indicated on a continuation sheet.				
Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE				
The person identified below is hereby/has been appointed to act of the applicant(s) before the competent International Authorities	on behalf X agent Common representative s as:			
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.) COLE, Troy J. Telephone No. 317-634-3456				
WOODARD, EMHARDT, NAUGHTON, MORIARTY & Bank One Center/Tower, Suite 3700 111 Monument Circle	MCNETT Facsimile No. 317-637-7561			
Indianapolis, Indiana 46204 US SEE CONTINUATION TO BOX NO. IV ON SHEET NO. 4 Teleprinter No.				
Address for correspondence: Mark this check-box where space above is used instead to indicate a special address to	no agent or common representative is/has been appointed and the which correspondence should be sent.			

		Sheet No	4	igene	71. 7024477F117		
Continuation of Box No. I	III THER	APPLICANT(S)	ND/OR (FURT	HER)	ENTOR(S)		
If none o	of the following su	b-boxes is used, to	his sheet should	l not be i	included in the request		
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) SNIVELY, Christopher M. 65932 McGregor Road Bellaire, Ohio 43906 US					This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)		
State (that is, country) of nationality: US State (that is, country) of residence: US							
This person is applicant for the purposes of:	all designated States		States except ates of America		e United States America only the States indicated the Supplemental Be		
Name and address: (Family designation. The address me address me address me address indicated in this Box of residence is indicated below DICKE, Jan P. Stubenrauchstr, Berlin, 14195 D	is the applicant's Si ow.)	tiven name; for a lide and name of cou ale (that is, country,	legal entity, full of nby. The country of residence if no	official of the oState	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)		
State (that is, country) of nati	onality:		State (that is, co	ountry) of	residence: DE		
This person is applicant for the purposes of:	all designated States	all designated the United Sta	States except tes of America		United States the States indicated in the Supplemental Bo		
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State (that is, country) of nationality: IS State (that is, country) of residence:							
This person is applicant for the purposes of:	all designated States	all designated the United Sta	States except tes of America		United States the States indicated in the Supplemental Bo		
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)							
State (that is, country) of nationality:			State (that is, con	untry) of s	residence:		
This person is applicant for the purposes of:	all designated States	all designated the United Sta	States except tes of America		United States the States indicated the Supplemental Bo		
Further applicants and	/or (further) invent	ors are indicated or	another continu	ation she	cet.		

become party to the PCT after issuance of this cheet:

DZ Algeria

BZ LC Saint Lucia AG Antigua & Barbuda K Sri Lanka Precautionary Designation Statement: In addition to the designation and above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant

at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

D VN

囚 ZA

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YU

Democratic People's Republic of Korea

KE

Yugoslavia

South Africa

Check-boxes reserved for designating States which have

mental Box is not used, this sheet should not be inc

d in the request.

1. If, in any of the Boxes, the space is insufficient to furnish all the information: in such case, write "Continuation of Box No. ..." [indicate the number of the Box] and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient, in particular:

- (i) if more than two persons are involved as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residences indicated below:
- (ii) if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Box No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;
- (iii) if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America in such case, write "Continuation of Box No. II" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;
- (iv) if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
- (v) if, in Box No. V, the name of any State (or OAPI) is accompanied by the indication "patent of addition," or "certificate of addition," or if, in Box No. V, the name of the United States of America is accompanied by an indication "continuation" or "continuation-in-part": in such case, write "Continuation of Box No. V" and the name of each State involved (or OAPI), and after the name of each such State (or OAPI), the number of the parent title or parent application and the date of grant of the parent title or filing of the parent application;
- (vi) if, in Box No. VI, there are more than three earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI;
- (vii) if, in Box No. V7, the earlier application is an ARIPO application: in such case, write "Continuation of Box No. V7", specify the number of the item corresponding to that earlier application and indicate at least one country party to the Paris Convention for the Protection of Industrial Property for which that earlier application was filed.
- 2. If, with regard to the precautionary designation statement contained in Box No. V, the applicant wishes to exclude any State(s) from the scope of that statement: in such case, write "Designation(s) excluded from precautionary designation statement" and indicate the name or two-letter code of each State so excluded.
- 3. If the applicant claims, in respect of any designated Office, the benefits of provisions of the national law concerningnon-prejudicial disclosures or exceptions to lack of novelty: in such case, write "Statement concerning non-prejudicial disclosures or exceptions to lack of novelty" and furnish that statement below.

Continuation to Box No. IV Agent

WOODARD, Harold R.; EMHARDT, C. David; NAUGHTON, Joseph A., Jr.; MORIARTY, John V.; McNETT, John C.; HENRY, Thomas Q.; DURLACHER, James M.; REEVES, Charles R.; WAGNER, Vincent O.; ZLATOS, Steve; BEREVESKOS, Spiro; BAHRET, William F.; BROWNING, Clifford W.; FRISK, R. Randall; LUEDERS, Daniel J.; GANDY, Kenneth A.; THOMAS, Timothy N.; SISSELMAN, Kerry P.; JONES, Kurt N.; ALLIE, John H.; BANTA, Holiday W.; COLE, Troy J.; PAYNTER, L. Scott; LOWES, J. Andrew; MEYER, Charles J.; HARRIS, Darrin Wesley; SCHANTZ, Matthew R.; COY, Gregory B.; HIDAY, Lisa A.; DANILUCK, John V.; BROWN, Christopher A.; BRANNON, C. John; SCHWARTZ, Jason J.; USHER, Arthur J. IV; COLLIER, Douglas A.; SCHEPERS, Brad A.; TUCKER, R. Craig; STEVENS, Scott J.; MYERS, James B. Jr.; and ROWE, James L., all of Woodard, Emhardt, Naughton, Moriarty & McNett, Bank One Center/Tower, Suite 3700, 111 Monument Circle, Indianapolis, Indiana 46204 United States of America

	-	Si	ieet No	AG	genc 31: 7	0244	7/211/
Box No. VI PRIORITY	CL			Further price	ority are indicate	d in th	ne Supplemental Box.
Filing date		Number			Where earlier applica	tion i	s:
of earlier application (day/month/year)	oi ear	lier application	•	application: untry	regional application: regional Office	inte	rnational application: receiving Office
item(1) (16.07.99)	60/	144,302	US				
16 July 1999							
item (2) (28.02.00)							
28 February 2000	60/1	185,680 	US			_	
item (3)			:				
The receiving Office is r of the earlier application purposes of the present i						(1),	(2)
* Where the earlier application Convention for the Protection of						one coi Supple	untry party to the Paris mental Box.
		ARCHING AUT					
Choice of International Sear (if two or more International Search to carry out the inte the Authority chosen; the two-lett ISA / US	Searching Atr rnational set	uthorities are sear arch, indicate be used): Dat 16		carried out by oi (year) 999		Cou	
	ST. LANC			y 2000	(20102100)		
Box No. VIII CHECK LIST; LANGUAGE OF FILING This international application contains the following number of sheets: This international application is accompanied by the item(s) marked below:					elow:		
request :	5	1. 🔀 fee calcul		a af attamati			
description (excluding sequence listing part)	24	2. separate s 3. copy of g	•	•	reference number, if a	ıny:	
claims :	1	4. statement	explaining	lack of signat	ure		
abstract :	1 .	5. priority d	ocument(s)	identified in E	Box No. VI as item(s):		
drawings :	14	6. 🔲 translatio	n of interna	tional applicat	tion into (language):		
sequence listing part of description	n/a	. —			posited microorganism		
8. nucleotide and/or amino acid sequence listing in computer readable form Total number of sheets: 45 9. other (specify): Transmittal Letter (dup)							
Figure of the drawings which should accompany the abstract: Language of filing of the international application: English							
		LICANT OR AG		••			
Next to each signature, indicate the				ich the person sig	gns (if such capacity isnot ob	vious fi	rom reading the request).
Applicant(s): PURDUE RESEARCH FOUNDATION LAUTERBACH, Jochen A. SNIVELY, Christopher M. DICKE, Jan P. OSKARSDOTTIR, Gudbjorg (Troy J. (COLE)							
1. Data of actual association of	h		ceiving Of	fice use only			2. Drawings:
Date of actual receipt of t international application:							
 Corrected date of actual r timely received papers or the purported internation. 	drawings o	completing					received:
4. Date of timely receipt of corrections under PCT A	rticle I I (2)	:					not received:
5. International Searching A (if two or more are compe	uthority tent):	SA /	6.	Transmit until sear	tal of search copy delay ch fee is paid.	yed	
		For Inte	rnational Bu	ureau use only			
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FEE CALCULATION SHEET Annex to the Request

17 July 2000

Date (day/month/year)

23-3030

Deposit Account No.

PCT	For receiving Office use only				
FEE CALCULATION SHEET Annex to the Request	International application No.				
Applicant's or agent's file reference 7024477P117	Date stamp of the receiving Office				
Applicant PURDUE RESEARCH FOUNDATION, et al.	·				
CALCULATION OF PRESCRIBED FEES 1. TRANSMITTAL FEE					
Add amounts entered at B and D and enter total at I (Applicants from certain States are entitled to a reduction of 75% of the international fee. Where the applicant is (or all applicants are) so entitled, the total to be entered at I is 25% of the sum of the amounts entered at B and D.) 4. FEE FOR PRIORITY DOCUMENT (if applicable)					
Add amounts entered at T, S, I and P, and enter total in the TOTAL box TOTAL The designation fees are not paid at this time. MODE OF PAYMENT X authorization to charge deposit account (see below) bank draft coupons X cheque cash other (specify): postal money order revenue stamps					
DEPOSIT ACCOUNT AUTHORIZATION (this mode of payment may not be available at all receiving Offices) The RO/ US is hereby authorized to charge the total fees indicated above to my deposit account. (this check-box may be marked only if the conditions for deposit accounts of the receiving Office so permit) is hereby authorized to charge any deficiency or credit any overpayment in the total fees indicated above to my deposit account. is hereby authorized to charge the fee for preparation and transmittal of the priority document to the International Bureau of WIPO to my deposit account.					

#35,102

COLE,

Signature Troy(J.